

FEDERAL BUREAU OF INVESTIGATION
FOI/PA
DELETED PAGE INFORMATION SHEET
FOI/PA# 1321438-0

Total Deleted Page(s) = 24
Page 89 ~ Referral/Consult;
Page 93 ~ b7E;
Page 96 ~ Referral/Consult;
Page 98 ~ Referral/Direct - 77-HQ-81576, Serial 24/OPM;
Page 101 ~ Duplicate;
Page 102 ~ Duplicate;
Page 103 ~ Duplicate;
Page 104 ~ Duplicate;
Page 105 ~ Referral/Consult;
Page 106 ~ Referral/Consult;
Page 107 ~ Referral/Consult;
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Page 109 ~ Referral/Consult;
Page 111 ~ Referral/Consult;
Page 112 ~ Referral/Consult;
Page 113 ~ Referral/Consult;
Page 114 ~ Referral/Consult;
Page 115 ~ Referral/Consult;
Page 116 ~ Referral/Consult;
Page 118 ~ Referral/Consult;
Page 119 ~ Referral/Consult;
Page 120 ~ Referral/Consult;
Page 121 ~ Referral/Consult;
Page 122 ~ Referral/Consult;

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FEDERAL BUREAU OF INVESTIGATION
FOI/PA
DELETED PAGE INFORMATION SHEET
FOI/PA# 1321422-0

Total Deleted Page(s) = 24
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Page 121 ~ Referral/Consult;
Page 122 ~ Referral/Consult;

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X For this Page X
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September 18, 1959

REC-19

81576

MCT-24

AIRTEL

TO: SACS, CHARLOTTE
NEW HAVEN
WASHINGTON FIELD (BCS) Enclosures-2
NEW YORK
NEWARK
LOS ANGELES

FROM: DIRECTOR, FBI

CHARLES HARD TOWNES, SPI.

White House has requested investigation of Dr. Townes who was born 7/28/15, Greenville, South Carolina, and who is employed as technical director, Institute for Defense Analysis, Washington, D. C. Dr. Townes is being considered for duties on the President's Science Advisory Committee. Do not divulge position involved to persons interviewed.

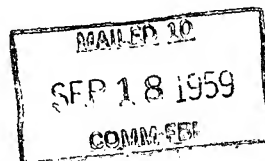
Dr. Townes indicates that he holds active "Q" AEC clearance granted 3/7/50. This should be verified and appropriate security files checked.

Charlotte see urfile 116-239, New Haven see urfile 116-201, New York see urfile 116-926, Newark see urfile 116-333 and Los Angeles see urfile 116-384. Bring up to date commensurate with SPI standards.

Dr. Townes employed Bell Telephone Laboratories, New York, 1939-47; associate professor of physics, Columbia University, New York, 1948-50, professor, 1950-52, and executive officer of Department, 1952 to date; was executive director, Radiation Laboratory, Columbia University, 1950-52; was consultant to National Research Council and Office of Naval Research, 1950-52; and is presently consultant to Bureau of Standards and Brookhaven National Laboratory.

Surep to reach Bureau by 10/5/59.

DHY:fil
(14)



MAIL ROOM ☐ TELETYPE UNIT ☐

Tolson _____
Belmont _____
DeLoach _____
McGuire _____
Mohr _____
Parsons _____
Rosen _____
Tamm _____
Trotter _____
W.C. Sullivan _____
Tele. Room _____
Holloman _____
Gandy _____

Federal Bureau of Investigation
Records Branch

9/21

, 1959

☐ Name Check Unit - Room 6523☐ Service Unit - Room 6524☒ Forward to File Review☐ Attention☒ Return to Young - 4651-374
Supervisor Room Ext.

Type of References Requested:

☐ Regular Request (Analytical Search)☒ All References (Subversive & Nonsubversive)☐ Subversive References Only☐ Nonsubversive References Only☐ Main _____ References Only

Type of Search Requested:

☐ Restricted to Locality of _____☐ Exact Name Only (On the Nose)☐ Buildup☒ Variations☐ Check for Alphabetical Loyalty FormSubject Charles Hard Townes

Birthdate & Place _____

Address _____

Localities (10)P

SEP 21 1959

R#

420

Date

9-21

Searcher
Initials

S-29

FILE NUMBER

SERIAL

~~116-4864~~ you have~~105-26265-11~~

Charles H.

~~105-17398-4~~ p 26, 29~~100-257937-3~~

Charles

~~62-40801-99~~~~100-10355-735~~ un p 1~~100-424411-1~~~~65-61448-9~~~~66-2120-6163~~~~7-576-12260~~

CH

~~116-19685-103~~

C-Hard

NP

Hard

NP

THE WHITE HOUSE

WASHINGTON

September 18, 1959

Mr. Tolson	_____
Mr. Belmont	_____
Mr. DeLoach	_____
Mr. McGuire	_____
Mr. Mohr	_____
Mr. Parsons	_____
Mr. Rosen	_____
Mr. Tamm	_____
Mr. Trotter	_____
Mr. W.C. Sullivan	_____
Tele. Room	_____
Mr. Holloman	_____
Miss Gandy	_____

Personal and Confidential

Chapman

Dear Mr. Hoover:

*Investigative
ordered
9/18/59
why/fil*

Will you please conduct a full-field investigation of Charles Hard Townes and bring up to date previous full-field investigations you conducted of []

b6
b7c

[] and Max Franklin Millikan? These individuals are being considered for duties in connection with the President's Science Advisory Committee. Biographical information is enclosed.

Sincerely,

Henry Roemer McPhee

Henry Roemer McPhee
Associate Special Counsel
to the President

*detached and
forwarded separately
9/21/59
why/marp*

ENCLOSURE

The Honorable J. Edgar Hoover
Director
Federal Bureau of Investigation
Washington, D. C.

REC-19 47-

81526

2 SEP 21 1959

SEP 18 1959

EXP. PROC.

37

SEP 21 1950

Name: TOWNES, Dr. Charles Hard

DOB: July 28, 1915

CE

POB: Greenville, South Carolina

WFO

Present Employment: Technical Director
Institute for Defense Analyses

NY

Clearance: Holds active "Q" with AEC granted
March 7, 1950, No. 8017 OR NY.

Biographical Information:

CE

LA

NY

WFO

Received B.S. & B.A. from Furman ^{Greenville, SC} 1935; M.A. Duke ^{Durham NC} 1937; Ph.D. (physics), Calif. Inst. of Tech. 1939; Asst. physics, Calif. Inst. of Tech. 1937-39; member tech. staff, Bell Tel. Labs. 1939-47; assoc. prof. (physics) Columbia Univ, 1948-50, Prof. 1950; Exec. Officer - Dept 1952--; exec. dir. radiation lab 1950-52. Consultant, Bureau of Standards, 49--; Brookhaven Natl Lab, 49--; National Research Council and Office of Naval Research, 50-52.

ENCLOSURE

77-81576-1

[Handwritten signature]

Office Memorandum • UNITED STATES GOVERNMENT

TO : Director, FBI

(File

) DATE: 10/23/59

FROM: SAC, WFO

(File 77-66155)

SUBJECT: Charles Hard Townes

SPI.

Remy airtel dated 10/15/59

This case will be delinquent.

Date of Bureau deadline: 10/5/59

b7E

Reason for the delinquency: on appointee's spouse still outstanding.
Will expedite. no administrative action recommended.

Date the report or necessary communication
will reach the Bureau: 10/30/59

AEC zone designation, e.g., OR, CH, etc.:
(This applies only to 116 cases.)

b6
b7C

Office Memorandum • UNITED STATES GOVERNMENT

TO : Director, FBI

(File

) DATE: 10/12/59

FROM :

SAC, WFO

(File 77-66155)

SUBJECT: CHARLES HARA TOWNES

SPI

Re pending report of SA Ralph Marshall dated 10/5/59 at WFO.

This case will be delinquent.

Date of Bureau deadline:

Reason for the delinquency:

CSI &



leads still outstanding.

Will expedite leads & submit report immediately upon receipt of above leads. no administrative action recommended.

Date the report or necessary communication will reach the Bureau:

AEC zone designation, e.g., OR, CH, etc.:

(This applies only to 116 cases.)

R.M.

b7E



Office Memorandum • UNITED STATES GOVERNMENT

TO : Director, FBI (File) DATE: October 2, 1959

FROM : SAC, Detroit (File 77-5487)

SUBJECT: CHARLES HARD TOWNES
SPI

Re CE ~~xxxx~~ airtel to the Bureau dated 9/28/59.

This case will be delinquent.

Date of Bureau deadline: 10/5/59

Reason for the delinquency: Reairtel, received DE 9/30/59, requires additional investigation in RA territory. No administrative action recommended.

Date the report or necessary communication will reach the Bureau: 10/12/59, or sooner.

AEC zone designation, e.g., OR, CH, etc.:
(This applies only to 116 cases.)

[Handwritten signature]

9/24/59

AIRTEL

TO: SAC, NEWARK
FROM: SAC, NEW YORK
SUBJECT: CHARLES HARD TOWNES
SPECIAL INQUIRY

Rebuairtel, 9/18/59.

Appointee's employment at BELL TELEPHONE LABORATORIES verified and favorable. Newark should interview A. N. HOLDEN and J. A. BURTON at BELL TELEPHONE LABS, Murray Hill, New Jersey.

The following are the known relatives of the appointee and their addresses as of March, 1956:

HENRY KEITH TOWNES, Jr., *Brother*
University of North Carolina
Raleigh, North Carolina

GEORGE FRANKLIN TOWNES, *Brother*
Route 2, Travelers Rest,
South Carolina

MARY TOWNES NYLAND, Sister
HENRY KEITH TOWNES, Father
ELLEN HARD TOWNES, Mother

- 2 - Newark (REGULAR MAIL)
- ① - Bureau (REGULAR MAIL)
- 2 - Charlotte (REGULAR MAIL)
- 1 - New York (77-24802)

TCH:DMO (#43)
(7)

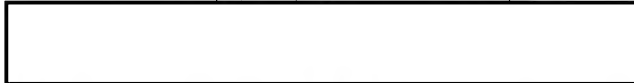
77-81576-2
NOT RECORDED

24 SEP 25 1959

A I R T E L

NY 77-24802

500 Sumner Street
Greenville, South Carolina



b6
b7C

Newark should conduct indicated investigation at Bell Telephone Laboratories and conduct appropriate checks on the appointee's sister, who resides in Madison, NJ.

Charlotte should conduct appropriate checks on members of the appointee's family residing within the Charlotte Division.

F B I

Date: 9/24/59

Transmit the following in _____
(Type in plain text or code)Via AIRTEL AIR MAIL
(Priority or Method of Mailing)

TO : DIRECTOR, FBI
FROM ^{WUB} SAC, LOS ANGELES (77-11042)
SUBJECT: CHARLES ^{HARD} ~~BUD~~ TOWNES
SPI

ReBuairtel to Charlotte, et al, dated 9/18/59.

previous AEAA investigation conducted and reported
commensurate with SPI standards. No additional investigation
being conducted; no report being submitted.

RUC.

3 - Bureau
1 - Los Angeles

flb:slb
(4)

77-81576-3
NOT RECORDED
6 SEP 26 1959

Approved: _____ Sent _____ M Per _____
Special Agent in Charge

9/25/59

AIRTEL

TO: SAC, BALTIMORE
FROM: SAC, NEW YORK
SUBJECT: CHARLES HARD TOWNES
SPECIAL INQUIRY

Rebuairtel, 9/18/59.

White House has requested investigation of Doctor TOWNES, who was born 7/28/15, Greenville, S.C. and who is employed as a Technical Director, Institute for Defense Analysis, Washington, D.C. Dr. TOWNES is being considered for duties on the President's Science Advisory Committee. Do not divulge position involved to persons interviewed.

Investigation New York reflects the 108th Counter Intelligence Corps Detachment, NYO, conducted an investigation on appointee in 1950, case number 1A-494720-B. CIC Detachment, NYO, advised this case file would be located at Ft. Holabird, Md.

WHO'S WHO reflects the appointee was a visiting lecturer at the University of Michigan during the summer of 1952.

Baltimore and Detroit cover appropriate leads.

~~2 - Baltimore (REGULAR MAIL)~~
~~1 - Bureau (REGULAR MAIL)~~
~~2 - Detroit (REGULAR MAIL)~~
1 - New York (77-24802)

TCH:DMO (#43)
(7)

77-81576-4
NOT RECORDED

4 SEP 28 1959

A I R T E L

NY 77-24802

For the information of Baltimore and Detroit, Dr. TOWNES was employed by BELL TELEPHONE LABORATORIES, 1939 through 1947 and has been associated with the Physics Department of Columbia University from 1948 to the present, and has been a consultant to the National Research Council, Office of Naval Research, Bureau of Standards, and Brookhaven National Laboratory.

Surep to reach Bureau by 10/5/59.

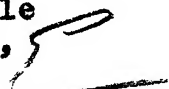
9/28/59

AIRTEL

TO: SAC, DENVER
FROM: SAC, WFO (77-66155)
CHARLES HARD TOWNES
SPI

ReBuairtel dated 9/18/59, no cc Denver.

White House has requested investigation of TOWNES who was born 7/28/15, Greenville, S.C., and who is employed as Technical Director, Institute for Defense Analysis, WDC. TOWNES is being considered for duties on the President's Science Advisory Committee so do not divulge position involved to persons interviewed. TOWNES presently Consultant to Bureau of Standards.

Inquiry Bureau of Standards, WDC, reflects appointee's records located U.S. Dept. of Commerce, National Bureau of Standards, Boulder, Colorado. Info re TOWNES available through [redacted] Division 84, Radio Building, Room 4066. Verify. 


b6
b7c

Surep to reach Bureau by 10/5/59.

2- Denver
① Bureau
1- WFO

RM:rps
(4)

AIRTEL

77-1526-5
NOT RECORDED
4 SEP 28 1959


FD-36 (Rev. 12-13-56)

F B I

Date: 9/28/59

Transmit the following in PLAIN TEXT
(Type in plain text or code)
Via AIRTEL
(Priority or Method of Mailing)

TO: DIRECTOR, FBI
FROM: SAC, CHARLOTTE (77-4730)

CHARLES HARD TOWNES
SPI
(Buded 10/5/59)

Re Bureau airtel 9/18/59.

"Greenville News - Piedmont" newspaper morgue, Greenville, S. C., reflects article of 1/25/58, datelined 1/24 at New York, which reflects TOWNES received 1957 Research Corporation Award for his work in microwave spectroscopy and listed his address at time as 720 West 231st Street, New York City.

Another article on 3/29/59, datelined New York, stated that the patent rights to the Maser, one of the most sensitive and precise measuring devices ever constructed, have been turned over to Research Corporation by Dr. CHARLES H. TOWNES, its developer, it was announced yesterday by Columbia University.

Another article under date of 4/26/59 stated the Comstock Prize awarded for a most important discovery or investigation in electricity, magnetism or radiant energy, will be presented tomorrow to a Greenville native, Dr. CHARLES H. TOWNES, Professor of Physics at Columbia University and designer of the Maser. It was further stated the Comstock Prize is being awarded by the National Academy of Sciences, Washington, D. C., at its 96th annual meeting in the Capital.

3 - Bureau
2 - Detroit
2 - Newark
2 - New York (77-24802)
2 - Washington Field
2 - Charlotte (77-4730)

JWC:mhw
(13)

Approved: *RKm*

77-81576-6
NOT RECORDED

16 SEP 29 1959

Sent

M Per

CE 77-4730

An article dated 6/13/58, announcing death of H. K. TOWNES, father of TOWNES, at age 81, listed following surviving relatives:

Wife Mrs. ELLEN SUMTER HARD TOWNES,
 Greenville, S. C.

Daughters Mrs. FRITZ C. NYLAND, of Weaverville,
 N. C. (who neighbors advise is the
 former MARY ELLA TOWNES)

 Mrs. ROBERT K. TAYLOR, JR., of
 Greenville, S. C.



b6
b7C

Sons HENRY KEITH TOWNES, Jr., of Ann
 Harbor, Michigan (an Entomologist
 at University of Michigan)

 Dr. CHARLES HARD TOWNES, of New York
 City (a Professor of Physics at
 Columbia University)

 GEORGE FRANKLIN TOWNES, of Travelers
 Rest, S. C.

For information of Detroit, the Bureau advised the White House has requested investigation of Dr. TOWNES, who was born 7/28/15, Greenville, S. C., and who is employed as Technical Director, Institute of Defense Analysis, Washington, D. C. Dr. TOWNES is being considered for duties on the President's Science Advisory Committee. Do not divulge position involved to persons interviewed.

LEADS

DETROIT

AT ANN HARBOR, MICHIGAN

Will check credit and criminal re HENRY KEITH TOWNES, JR., Entomologist at University of Michigan, a brother of TOWNES.

NEWARK

Will check credit and criminal re

NEW YORK

Will note honors bestowed upon TOWNES as reflected in newspaper stores and endeavor to verify from sources indicated.

WASHINGTON FIELD

AT WASHINGTON, D. C.

Will also note honor bestowed on TOWNES by National Academy of Sciences in April, 1959, and endeavor to verify from source.

CHARLOTTE

AT WEAVERVILLE, NORTH CAROLINA

Will check credit and criminal re Mrs. FRITZ C. NYLAND, nee MARY ELLA TOWNES, sister of TOWNES.

MOORE, JAMES, 1897-1964.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-11-2010 BY 60322 UCBAW/SJS/STP

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1973). The *Chlorophyll a* and *Chlorophyll b* contents were expressed as $\mu\text{g/g}$ of fresh weight.

• 1993 •

100-443887-1000

the 1990s, the number of people in the United States who are 65 years of age or older is projected to increase from 20 million to 30 million, and the number of people 75 years of age or older is projected to increase from 10 million to 15 million (U.S. Census Bureau, 1996).

...the

9/30/59

AIRTEL

TO: SAC, PHILADELPHIA

FROM: SAC, NEW YORK (77-2482⁰)

SUBJECT: CHARLES HARD TOWNES
SPECIAL INQUIRY
Budied 10/5/59
Re Bureau airtel 9/18/59.

White House has requested investigation of Dr. TOWNES, born 7/28/15, Greenville, SC, who is employed as a Technical Director, Institute for Defense Analysis, Washington, DC. Dr. TOWNES is being considered for duties on the President's Science Advisory Committee. Do not divulge position to persons interviewed. Investigation NY reflects the appointee was a member of the Editorial Board of "Review of Scientific Instruments" from 1949, through 1952, which is published by the American Institute of Physics, 335 East 45th St., NY, NY. The editor of this publication is GAYLORD HARNWELL, President, University of Pennsylvania.

Philadelphia interview HARNWELL for his comments concerning the appointee.

For the information of Philadelphia, Dr. TOWNES was employed by Bell Telephone Laboratories, 1939, to 1947, and has been associated with the Physics Department of Columbia University from 1948, to the present, and has been a consultant to the National Research Council, Office of Naval Research, Bureau of Standards, and Brookhaven National Laboratory.

2 - Philadelphia
① - Bureau
1 - New York (77-2482⁰)

TCH:gag
(5)

77-81576-7
NOT RECORDED

23 OCT 1 1959

9/30/59

AIRTEL

SAC, NEW YORK (116-926)

SAC, WFO (77-66155)

CHARLES HARD TOWNES
SPI

ReBuairtel 9/18/59, cc New York.

Investigation WDC reflects appointee's Security
File located New York Operations Office of AEC, New York,
N. Y. Handle.

2 - New York
1 - Bureau
1 - WFO
RM:gdm
(4)

AIRTEL

77-81576-8
NOT RECORDED

12 SEP 30 1959

FEDERAL BUREAU OF INVESTIGATION

Reporting Office BALTIMORE	Office of Origin BUREAU	Date 10/1/59	Investigative Period 9/29, 30/59
TITLE OF CASE CHARLES HARD TOWNES		Report made by IC 	Typed By: nlp b6 b7C
		CHARACTER OF CASE SPECIAL INQUIRY	

Synopsis:

REFERENCE:

New York airtel to Baltimore, dated 9/25/59.

- RUC -

ADMINISTRATIVE DATA:

G-2 file X1-460448, re appointee, made available through Colonel JEFF CLAY, III, Commanding Officer, Central Records Facility, Fort Holabird, Maryland was reviewed on 9/30/59.

The above file was found to contain copies of FBI reports dated 1947 titled "CHARLES HARD TOWNES-1", character deleted.

COVER PAGE

*

- A -

Approved <i>Kip</i>	Special Agent In Charge	Do not write in spaces below	
Copies made: ② Bureau 1 - Baltimore (77-17733)		77-81576-9	
		NOT RECORDED 2 OCT 2 1959	
CC TO: ... N.A.S.A. REQ. REC'D. 3/2/64 APR 9 1964 ANS. BY: T. DAL... L.B.		<i>[Signature]</i>	

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

Copy to:

Report of: IC [REDACTED]
Date: 10/1/59

Office: BALTIMORE, MARYLAND

b6
b7C

File Number: BA 77-17733

Title: CHARLES HARD TOWNES

Character: SPECIAL INQUIRY

Synopsis: Files of G-2 reviewed without locating any derogatory information concerning the captioned individual.

- RUC; -

Details: AT BALTIMORE, MARYLAND

The files of G-2, Central Records Facility, Army Intelligence Center, Fort Holabird, made available by a representative of that agency, were reviewed on 9/30/59. These files reflect that the captioned individual was the subject of a () National Agency check, ~~two~~ partial background investigations, () complete background investigation completed on 6/5/41 & 12/5/50, during which no information was developed reflecting adversely upon the character, reputation, or loyalty of this individual.

FEDERAL BUREAU OF INVESTIGATION

Reporting Office NEW YORK	Office of Origin BUREAU	Date 10/2/59	Investigative Period 9/22 - 10/1/59
TITLE OF CASE CHARLES HARD TOWNES		Report made by THOMAS C. HEINAUER	Typed By: htc
		CHARACTER OF CASE SPECIAL INQUIRY	

Synopsis:

REFERENCE:

Bulet, 9/18/59.
New York airtel to Newark, 9/24/59.
New York airtel to Baltimore, 9/25/59.
Charlotte airtel to Director, 9/28/59.
New York airtel to Philadelphia, 9/30/59.

- RUC -

CC TO: *NASA*
REQ. REC'D. *3-31-64*
APR 9 1964
ANS.
BY: *TDN*.....*AB*

- A* -

Approved <i>[Signature]</i>	Special Agent In Charge	Do not write in spaces below	
Copies made: 2 - Bureau 1 - New York (77-24802)		77-81576-10	
		NOT RECORDED 18 OCT 5 1959	

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

Copy to:

Report of: Thomas C. Heinauer
Date: 10/2/59
File Number: New York (77-24802)
Title: CHARLES HARD TOWNES

Office: New York

Character: SPECIAL INQUIRY

Synopsis: Employments verified and favorable. No credit or arrest record located. All associates recommend highly as to character, reputation and professional ability. Information set forth regarding appointee's invention and development of the "MASER".

- RUC -

NY 77-24802

DETAILS:

Employment

Columbia University
116th Street and Broadway
New York, New York

The following investigation was conducted by
SA [REDACTED]

On September 22, 1959, [REDACTED] Secretary, Office of the Secretary, advised her records reflect CHARLES HARD TOWNES was appointed on September 23, 1947, as an Associate Professor of Physics effective January 1, 1948; appointed on May 1, 1950, as a Professor of Physics, and was appointed on April 7, 1952 as Executive Officer of the Department of Physics. On January 3, 1955, he was granted a sabbatical leave for the winter session of the 1955 - 1956 academic year. On August 20, 1959, he was granted a leave of absence to run from August 1, 1959 to June 30, 1961. [REDACTED] further advised that the appointee resided at 90 Morningside Drive from 1948 through 1952, and since 1952, has resided at 720 West 231st Street, Bronx, New York.

b6
b7C
b6
b7C

The following individuals advised they consider the appointee to be a highly capable person, professionally as a Physicist and as an Administrator. They advised he has an excellent character and reputation and chooses his associates with discretion. They advised the appointee is a loyal American citizen whom they would recommend without hesitation for a high position of trust with the Government:

NY 77-24802

[REDACTED]

Secretary
Physics Department
Known professionally 10 years
Contacted September 22, 1959

b6
b7C

Professor R. W. SIGEL
Known professionally and socially for 9 years
Contacted September 23, 1959

Professor SHIRLEY L. QUIMBY
Known socially and professionally for over 10 years
Contacted September 25, 1959

Professor I. I. RABI
Known professionally and socially for 12 years
Contacted September 25, 1959

Brookhaven National Laboratory (BNL)
Upton, Long Island, New York

The following investigation was conducted by
SA GEORGE F. BERGERON on September 24, 1959.

[REDACTED] Employment Supervisor, advised his records reflect the appointee held a consultant contract with the laboratory from September 1, 1949 to September 30, 1957. This contract was between the appointee and the Associated Universities, Inc., which is the contractor of the Atomic Energy Commission (AEC) for operating the BNL. The records further reflected the appointee was a visiting guest physicist from July 5, 1949 to September 8, 1949, from August 3 to August 31, 1953, and from August 1 to August 31, 1954. During these three periods, he resided in housing facilities provided by the laboratory on the site of the laboratory grounds.

b6
b7C

NY 77-24802

Dr. SAMUEL A. GOUDSMIT, Chairman, Physics Department, advised he has known the appointee since 1948 and in his estimation, is a "top physicist". He advised he has always found the appointee to possess an excellent character, reputation and associates, and has never had reason to question his loyalty to the United States. He advised his association with the appointee has been a professional one being limited to scientific meetings and conferences, and also in connection with the appointee's duties as a consultant to BNL. GOUDSMIT advised also that the appointee was an Associate Editor of "Physical Review" during the early 1950's, of which he, GOUDSMIT, is the Editor. He advised he would recommend the appointee very highly as to his character and reputation for a high position of trust with the Government.

Dr. VICTOR W. COHEN, Senior Physicist, Physics Department, advised he has known the appointee since 1947 and their contacts have been mostly of a professional nature having had only casual spasmodic social contact with him. He advised the appointee is of unquestionable character, reputation, associates and loyalty to the United States. He advised he has also met the appointee's wife and considers her to be of like caliber. He advised the appointee has an outstanding reputation as a physicist and as an administrator, and he would highly recommend the appointee for a position of trust with the Government wherein his abilities might be fruitfully utilized.

American Institute of Physics
335 East 45th Street
New York, New York

Publications Manager, advised on September 30, 1959, that the appointee was an Associate

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NY 77-24802

Editor of "Physical Review" from 1951 through 1954, the editor being SAMUEL A. GOUDSMIT, and was on the editorial board of "Review of Scientific Instruments" from 1949 through 1952, the editor being GAYLORD HARNWELL, President, University of Pennsylvania. She advised these two publications are put out by the above institute.

[redacted] advised individuals are placed on the editorial board or are associate editors of the various publications put out by the institute usually at the request of the editor. She further advised that each associate editor or member of the editorial board is a specialist in his particular field and they receive no compensation for their work in this connection. Their work usually entails submission of articles for publication and/or the review of articles in their field which are contemplated being published by the editor. She suggested that the editor in each case above would know and be in a position to comment on the appointee from a professional viewpoint and possibly has social contact with him also. She advised that CARL DARROW, Secretary of the American Physical Society, at this address, has known the appointee for many years and should be able to comment on his professional abilities.

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CARL DARROW, mentioned above, advised he has known the appointee for 20 years and considers him to be a man of outstanding character, reputation, associates and loyalty to the United States. He advised the appointee has an outstanding reputation as a scientist and administrator. He advised he would recommend the appointee very highly for a high position of trust with the Government.

NY 77-24802

Bell Telephone Laboratories
463 West Street
New York, New York

[redacted] Secretary, General Employment Department, advised on September 23, 1959, that her records reflect the appointee was employed from September 1, 1939 to December 31, 1947, as a member of the technical staff. On January 1, 1948, he was granted a leave of absence until December 31, 1948, to accept a trial period of employment as a Professor at Columbia University. He did not apply for re-employment and he is considered as having resigned on December 31, 1948. She suggested that A. N. HOLDEN and J. A. BURTON, both at Bell Telephone Laboratories, Murrayhill, New Jersey, may be able to comment on the appointee.

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Neighborhood

720 West 231st Street
Bronx, New York

On October 1, 1959, [redacted]

[redacted] advised they have known the appointee and his wife as neighbors since 1952. They advised the appointee has an excellent reputation in the neighborhood as does his wife, and he is a man of excellent character and associates and his loyalty to the United States has never been questioned. They advised the appointee, although maintaining a high position and reputation as a physicist, is a very "down to earth person". They advised they would recommend him very highly for a high position of trust with the Government.

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[redacted] and [redacted] on October 2, 1959, furnished substantially the same information as [redacted] above, and recommend the appointee very highly.

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NY 77-24802

Credit

On September 25, 1959, [redacted] Clerk, Credit Bureau of Greater New York, advised IC ALFRED G. ENNULAT that her records reflect a satisfactory credit rating for CHARLES and FRANCES TOWNES, 720 West 231st Street, Bronx, New York.

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Arrest

On September 24, 1959, SA GEORGE F. BERGERON caused the records of the Brookhaven Town Police Department, Patchogue, New York, to be checked by [redacted] Secretary. These records reflect no information identifiable with the appointee.

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It should be noted that this department has jurisdiction over Upton, New York.

On September 28, 29 and October 1, 1959, SA AUGUST J. MICEK caused the records of the New York City Police Department to be checked by Deputy Inspector JOSEPH CASHMAN, Bureau of Criminal Identification; Acting Captain JOSEPH MC CABE, Information Unit; Lieutenant [redacted] Old Record Room (all of the above of the New York City Police Department); [redacted] Fingerprint Bureau, Magistrate's Court, City of New York. No record was located for the appointee or his wife, FRANCES.

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Miscellaneous

On September 24, 1959, Special Agent [redacted] [redacted] United States Army Counter Intelligence Corps, 916 East 16th Street, New York, New York, advised the results of investigation conducted by his agency on the appointee in 1950, would be located at Fort Holabird, Maryland.

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NY 77-24802

[redacted] Secretary to the Secretary General of the John Simon Guggenheim Memorial Foundation, 551 5th Avenue, New York, New York, advised on September 30, 1959, that the appointee was appointed as a Fellow from June 15, 1955 to September 30, 1956, to conduct research in microwave physics and allied fields.

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On September 23, 1959, [redacted] Security Officer, Personnel Security Branch, United States Atomic Energy Commission, 376 Hudson Street, New York, New York, made available his agency's security file concerning the appointee. A review of this file reflects the appointee's "Q" clearance was terminated as of October 10, 1957.

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This file further reflected the appointee was on foreign travel from April 1 through 9, 1955, to Cambridge University, Cambridge, England, where he was to give an invited speech at the Faraday Society (International Conference on Microwave and Radio Frequency Spectroscopy). He was on foreign travel from June 8, 1955 through September, 1956, to become familiar with Physics work being done in other countries. He intended to visit all Western European countries, including Yugoslavia, visiting laboratories and universities. Also during this period he was scheduled to lecture as a Fulbright lecturer at the University of Paris, Paris, France, from September, 1955 through March, 1956. He was also scheduled to lecture in Japan in the spring of 1956 under a Guggenheim Fellowship. He was also on foreign travel from June 2 to 20, 1952, in connection with work being performed by the Office of Naval Research, wherein he would visit England, France and Italy, and possibly give a talk on microwave spectroscopy in Italy.

These records reflect the following as members of his family as of March, 1956:

NY 77-24802

Father

HENRY KEITH TOWNES

Mother

ELLEN HARD TOWNES

~~Sister~~

MARY TOWNES NYLAND
all of 500 Sumner Street
Greenville, South Carolina

~~Brother~~

HENRY KEITH TOWNES, JR.
University of North Carolina
Raleigh, North Carolina

~~Brother~~

GEORGE FRANKLIN TOWNES
Route 2
Travelers Rest
South Carolina



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These records reflect the appointee's address as of March, 1956, was 30 Ave. Jean Jours, Chateway-Malabry, Seine, France.

On September 22, 1959, [redacted] Supervisor, "New York Times" Information Library, 229 West 43rd Street, New York, New York, furnished his records concerning the appointee. These records contained numerous articles in connection with the appointee's invention and development of the "MASER", in approximately 1954. The "MASER" is an abbreviation for Microwave Amplification by Stimulated Emission of Radiation. This device is more popularly known as the Atomic Clock.

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The "New York Times" article, dated February 20, 1955, contains the following statement of the appointee:

NY 77-24802

"It's being talked of as a clock,...because it has the most constant oscillations known, and we can put hands on it. But it is fundamentally a whole new technology for producing and handling microwaves."

Further articles set forth applications of the "MASER" to various fields of science, including its use in attempting to prove EINSTEIN's special theory of relativity.

The "New York Times" article of August 19, 1959, datelined Philadelphia, August 18, 1959, set forth that the Stuart Ballantine Medal of the Franklin Institute is to be presented to the appointee on October 21, 1959. He was chosen for his work on the development of the "MASER".

"New York Times" article of April 27, 1959, datelined Washington, April 26, 1959, set forth that the appointee was one of the winners of the National Academy of Sciences Awards. He was "given the Comstock Prize for his work on 'Microwaves'."

The 1959 - 1960 edition of "Who's Who" reflects the appointee was a visiting lecturer at the University of Michigan during the summer of 1952. This book contained no further pertinent information.

FEDERAL BUREAU OF INVESTIGATION

Reporting Office DENVER	Office of Origin BUREAU	Date 10/2/59	Investigative Period 10/2/59
TITLE OF CASE CHARLES HARD TOWNES		Report made by SA KENNETH BRIDENSTINE	Typed By: mg1
		CHARACTER OF CASE SPECIAL INQUIRY	

~~XXXXXX~~

REFERENCES

Washington Field airtel to Denver dated 9/28/59.

- RUC -

CC TO: <i>N.A.S.A.</i>
REQ. REC'D. <i>3/31/64</i>
APR 9 1964
ANS. <i>TOW</i>
BY: <i>LB</i>

Approved <i>[Signature]</i>	Special Agent In Charge	Do not write in spaces below	
Copies made: 3-Bureau (AM) 1-Denver (77-4041)		77-81576-	<i>11</i>
		NOT RECORDED 23 OCT 5 1959	

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COVER PAGE

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

Copy to:

Report of: SA KENNETH BRIDENSTINE
Date: October 2, 1959

Office: DENVER

File Number: DN 77-4041

Title: CHARLES HARD TOWNES

Character: SPECIAL INQUIRY

Synopsis:

TOWNES has served as Consultant for Central Radio Propagation Laboratory of National Bureau of Standards on intermittent basis since August, 1948 and nothing adverse is in his personnel file and recommended favorably by Acting Chief of Radio Standards Division at Boulder, Colorado. No credit or arrest record Boulder.

- RUC -

DETAILS:

At Boulder, ColoradoEMPLOYMENT

On October 2, 1959, [redacted] secretary, Personnel Division, Boulder Laboratories, National Bureau of Standards (NBS), advised the personnel file of CHARLES TOWNES reflects his birth as July 28, 1915, at Greenville, South Carolina. He was first employed by the Central Radio Propagation Laboratory of the NBS in 1948 when he entered on duty as an expert on August 16 of that year in microwave standards work. His services have been utilized on an intermittent basis since that time and he still is called upon for consultation at the Boulder Laboratories occasionally. [redacted] said nothing of an adverse nature appears in the personnel file.

b6
b7cOn October 2, 1959, Mr. W. D. GEORGE, Acting

DN 77-4041

Chief of the Radio Standards Division, Boulder Laboratories, NBS, advised he has been acquainted with TOWNES for the past seven or eight years, their association being mainly in a professional capacity. Mr. GEORGE said TOWNES is a very able scientist and is considered one of the outstanding men in his field. He said to have TOWNES on their staff as a Consultant has added prestige to the Boulder Laboratories. Mr. GEORGE said in all of their association together he has never been given cause to question the good character, the associates, or the loyalty of the applicant and he considers him worthy of any position with the government of trust and confidence.

CREDIT AND ARREST

On October 2, 1959, [redacted] Credit
Bureau of Boulder, Inc. : [redacted] Boulder
Police Department; and [redacted] Boulder County
Sheriff's Office, all advised their respective records
contain no data identifiable with CHARLES HARD TOWNES.

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FEDERAL BUREAU OF INVESTIGATION

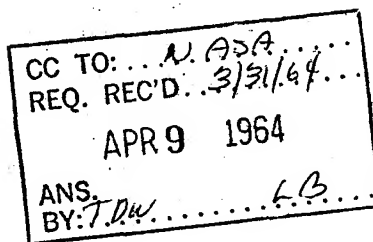
Reporting Office CHARLOTTE	Office of Origin BUREAU	Date 10/2/59	Investigative Period 9/23 - 28/59
TITLE OF CASE CHARLES HARD TOWNES		Report made by SA JAMES W. GANNON	Typed By: BCM
		CHARACTER OF CASE SPECIAL INQUIRY	

Synopsis:

REFERENCES:

Bureau airtel to Charlotte 9/18/59.
New York airtel to Newark 9/24/59, with copy to
Charlotte.
Charlotte airtel to Bureau dated 9/28/59.

- R U C -



Approved <i>R. K. ...</i>	Special Agent In Charge	Do not write in spaces below	
Copies made: ② Bureau 1 - Charlotte (77-4730)		77-81576-12 NOT RECORDED 2 OCT 5 1959	

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

Copy to:

Report of: SA JAMES W. CANNON
Date: October 2, 1959

Office: CHARLOTTE

File Number: CE 77-4730

Title: CHARLES HARD TOWNES

Character: SPECIAL INQUIRY

Synopsis: TOWNES has not resided Greenville, S. C., since about 1939, and has only occasionally returned since then on visits. His father, HENRY KEITH TOWNES, SR., died in 1958; his mother, Mrs. ELLEN SUMTER HARD TOWNES, sister, Mrs. ROBERT K. TAYLOR, JR., Nee ELLEN WHILDEN TOWNES, and brother, GEORGE FRANKLIN TOWNES all presently reside Greenville, S. C. area. Sister, Mrs. FRITZ C. NYLAND, Nee MARY ELLA TOWNES, resides Weaverville, N. C. [REDACTED]

[REDACTED]
and brother, HENRY KEITH TOWNES, JR., resides Ann Arbor, Mich. Former neighbors and acquaintances Greenville all favorable re TOWNES and all members of TOWNES family including brother-in-law, ROBERT K. TAYLOR, JR. Favorable credit records for deceased father, H. K. TOWNES, SR., brother, GEORGE F. TOWNES and wife LAURA, and brother-in-law, and sister, R. K. TAYLOR, JR. and ELLEN T. TAYLOR, at Greenville, S. C.; no arrest records for TOWNES or relatives at Greenville, S. C. No identification on applicant's sister Weaverville, N. C. Credit rating satisfactory.

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CE 77-4730

DETAILS:

AT GREENVILLE, SOUTH CAROLINA:

Mr. W. A. BULL, Assistant United States Attorney, Western District of South Carolina, advised on September 23, 1959, that he personally knew HENRY KEITH TOWNES, SR., during his lifetime as a member of the Greenville Bar, and knows GEORGE F. TOWNES, brother of TOWNES, who has been a member of the local Bar since about 1954. He said H. K. TOWNES was one of the most respected members of the local Bar during his lifetime, and said GEORGE F. TOWNES is presently a reputable young lawyer in the city. He said he did not personally know Mrs. TOWNES, mother of appointee, CHARLES TOWNES, himself, nor any of his other brother and sisters, but knew of them by reputation when they lived in the Greenville area, and said they have all enjoyed excellent reputations and been considered loyal, patriotic, citizens. He also said he personally knows R. K. TAYLOR, JR., brother-in-law, who is a highly respected citizen.

Mr. E. P. RILEY, Attorney, and former Acting United States Attorney, Western District of South Carolina, advised on September 25, 1959, that he knew H. K. TOWNES, SR., as a fellow member of the local Bar during his lifetime, knows GEORGE F. TOWNES, who is a present member of the local Bar, and has known CHARLES TOWNES and his brother and sisters as young persons growing up in the city. He said all members of the TOWNES family, including CHARLES, as well as his brother-in-law, R. K. TAYLOR, JR., have always enjoyed excellent reputations, sterling characters, and been considered honest, law-abiding citizens in the Greenville area.

Mr. J. W. PETERSON, 303 Sumner Street, who is Superintendent of Window Service at the United States Post Office, Greenville, advised on September 25, 1959, that he has been a near neighbor to the TOWNES family who lived in the family home at 500 Sumner

CE 77-4730

Street, for the past 32 years. He said that following the death of Mr. H. K. TOWNES, SR., in June 1958, the family home was sold and Mrs. ELLEN TOWNES recently moved to 17 East Hillcrest Drive, where she presently lives. PETERSON said Mr. H. K. TOWNES, SR., during his lifetime was one of the most highly respected members of the Greenville Bar, and was a man of excellent character and reputation, and a loyal patriotic citizen. He said Mrs. ELLEN TOWNES, mother, was one of the loveliest and most dignified women that he has ever known. He said that CHARLES, his brothers, HENRY K., JR., and GEORGE F., and his sisters, ELLEN, MARY ELLA, [redacted] all grew up as children in the neighborhood, and said that while they did not play games and engage in athletics too much with the other neighborhood children, because they were all prone to be more studious than athletic, they all enjoyed the utmost respect of everyone in the neighborhood, and were loyal, patriotic citizens of the highest character and reputation. He said they all made excellent grades in school and college, and the boys have all launched successful careers in their chosen fields of endeavor. He said the girls have all made apparently successful marriages. He said that he does not know the husband of [redacted] who lives in [redacted] or of MARY ELLA, who was in Australia in some kind of Government service several years ago and married a retired British Naval Officer and now resides in Weaverville, North Carolina, but he does know R. K. TAYLOR, JR., husband of ELLEN, who resides in Greenville, and is a successful lumber and real estate dealer and also enjoys a good character and reputation. He said none of the family have ever been in any kind of trouble to his knowledge, and none of them have ever been arrested. He said that while CHARLES occasionally visited with his parents, since his finished college in about 1939, he does not recall having personally talked with him since that time, although he has followed CHARLES accomplishments through conversations with other members of the family and through the newspapers.

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Mrs. R. M. RIGGS, 300 Sumner Street, who has been a neighbor to the TOWNES family for about 33 years, and a close personal friend of Mrs. H. K. TOWNES, SR., throughout this time, advised on September 25, 1959, that all members of the family were of excellent character and reputation and loyal, patriotic citizens. She said all the children were unusually bright and intelligent children, particularly CHARLES and his brother, HENRY both of whom she considered to be outstandingly brilliant boys.

Mrs. M. C. BUTLER, 405 Jones Avenue, advised on September 25, 1959 that she resided at 313 Sumner Street, as a close neighbor to the TOWNES family at 500 Sumner Street, from the time CHARLES was a small boy until 1950 when she moved to her present address. She advised that all members of the TOWNES family, including CHARLES, were persons of excellent character and reputation, and honest, law-abiding patriotic citizens. She said she has never heard of anything unfavorable concerning any member of the family. She said she could not recall having any personal contact with CHARLES since about 1939, although she knows that he has occasionally visited with his parents since that time.

On September 25, 1959, Chief of Detectives LOWELL W. HAMMOND, Greenville, South Carolina Police Department, advised that he knew H. K. TOWNES from about 1920 to his death, as a highly respected member of the local Bar, and knows GEORGE F. TOWNES, brother as a young respected member of the Bar at present. He said he knew or knew of the TOWNES children as they grew up in Greenville, and said none of them ever got into any trouble insofar as he can recall. He said all of the TOWNES family were of good character and reputation and honest upright citizens, whose loyalty to the United States has never been questioned.

CREDIT:

Manager, Credit Bureau, advised on September 25, 1959, that he has no credit

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files identifiable with CHARLES HARD TOWNES, HENRY KEITH TOWNES, JR., Mrs. FRITZ C. NYLAND, Nee MARY ELLA TOWNES, nor [REDACTED]

[REDACTED] He said he has a credit file regarding H. K. TOWNES, SR., wife, ELLEN, 500 Sumner Street, which reflects that in 1955 he had been practicing attorney for 25 years in firm of Neely & Townes, and was reported to have a favorable reputation and credit record. He said he has a credit file regarding GEORGE F. TOWNES, and wife LAURA, who reside at Route #2, Travelers Rest, South Carolina, and has a law office at 209 Masonic Temple Building, which reflects that in 1958, he was reported to have been practicing law for 4 years, to be well regarded by his associates, and to have a good reputation for both credit and character. He advised that he also has a credit file regarding R. K. TAYLOR, JR., and wife ELLEN T., 121 Westfield Street, Greenville, South Carolina, which reflects that in 1959, he was reported to have been a partner in the Mauldin Lumber Company, formerly the Simpsonville Lumber and Supply Company, since 1946, to be well respected, and to have a favorable credit reputation.

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IDENTIFICATION:

On September 25, 1959, [REDACTED] Identification Officer, Greenville, South Carolina Police Department, [REDACTED] Sheriff's Office, advised their arrest records contained no information identifiable with the following:

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HENRY KEITH TOWNES, SR.
ELLEN SUMTER HARD TOWNES
Mrs. FRITZ C. NYLAND, Nee MARY ELLA TOWNES
Mrs. ROBERT K. TAYLOR, JR., Nee ELLEN TOWNES

[REDACTED]
CHARLES HARD TOWNES
HENRY KEITH TOWNES, JR.
GEORGE FRANKLIN TOWNES

A check of the records of the Clerk of Court, Greenville County was made on September 25, 1959, for the above with negative results.

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NEWSPAPER MORGUE:

On September 25, 1959, [redacted]
[redacted] Librarian, Greenville News-Piedmont Company,
made available a newspaper morgue file in regard to
CHARLES HARD TOWNES which reflected the following
articles:

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In an article dated January 25, 1958, datelined at New York, January 24, 1958, it was stated that Dr. CHARLES HARD TOWNES, professor of Physics at Columbia University on Thursday received the 1957 Research Corporation Award for his work in microwave spectroscopy. It further stated that Dr. TOWNES, who has been teaching at Columbia since 1948 is the 22nd recipient, since the awards inception in 1925. That Dr. TOWNES, who was born in Greenville, South Carolina, in 1915 received his doctorate from California Institute of Technology in 1939, and was a member of Bell Telephone Laboratories technical staff from 1939 to 1947, a member of the National Academy of Sciences and the American Physical Society, and resided with his wife and their four children at 720 West 231st St., New York City. It also stated he is the son of Mr. and Mrs. HENRY K. TOWNES of 400 Sumner Street, Greenville, South Carolina.

In an article dated March 29, 1959, entitled "Research Corporation gets Patent Rights - City Native's Invention will Help Radio Telescopes Probe into Space", datelined New York, it was stated that patent rights to the Maser, one of the most sensitive and precise measuring devices ever constructed, have been turned over to Research Corporation by Dr. CHARLES H. TOWNES, its developer, it was announced yesterday by Columbia University. Dr. TOWNES was referred to in the article as a native of Greenville, South Carolina, a professor of Physics at Columbia University, and son of Mrs. HENRY K. TOWNES, and the late Mr. TOWNES of Greenville.

In an article dated April 26, 1959, entitled "City Native Wins High Award for 'Atom Clock'", it was

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stated that the Comstock Prize awarded for the most important discovery or investigation in electricity, magnetism, or radiant energy will be presented tomorrow to a Greenville native, Dr. CHARLES H. TOWNES, Professor of Physics at Columbia University, and designer of the Maser. It also stated the Maser, sometimes called "Atomic Clock" is a coined word meaning microwave amplification by stimulated emission of radiation, and it is perhaps the most precise measuring instrument ever invented. It said the Comstock Prize is being awarded by the National Academy of Sciences, Washington, D. C., at its 96th annual meeting in the Capital.

[redacted] also made available a morgue file regarding HENRY KEITH TOWNES, which contained the following:

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A personal autobiography furnished by HENRY KEITH TOWNES, reflecting he was born October 16, 1876, in Greenville County, South Carolina, son of GEORGE F. and MARY KEITH TOWNES, had the following children, MARY ELLA TOWNES, ELLEN TOWNES TAYLOR, HENRY KEITH TOWNES, JR., CHARLES HARD TOWNES, [redacted] and GEORGE FRANKLIN TOWNES, received an A. B. degree from Furman University in 1897, taught school for two years, admitted to the Bar in 1900, was county attorney, chairman of County Tax Board, presidential elector in 1932, member and president of Lions Club, served on Registration Board during World Wars I and II, by appointment of the Governor, and chairman of the Greenville County Democratic Party 1932-36.

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In an article dated June 13, 1958, it was stated that H. K. TOWNES, age 81, had died that day, and was a practicing attorney who was joined in his practice by his son, GEORGE FRANKLIN TOWNES in 1952. His surviving relatives listed included the following:

CE 77-4730

Wife: ELLEN SUMTER HARD TOWNES,
Greenville, South Carolina

Daughters: Mrs. FRITZ C. NYLAND,
Weaverville, North Carolina

Mrs. ROBERT K. TAYLOR, JR.,
Greenville, South Carolina

Mrs. ARTHUR L. SCHAWLOW,
Madison, New Jersey

Sons: HENRY KEITH TOWNES, Jr.
Ann Arbor, Michigan,
Etomoligist at the University
of Michigan

Dr. CHARLES HARD TOWNES,
New York City, Professor
of Physics at Columbia
University

GEO

GEORGE FRANKLIN TOWNES
Travelers Rest, South Carolina

The following investigation was conducted
by SA WILLIAM PEARSON:

AT WEAVERVILLE, NORTH CAROLINA:

A. B. KENT, Chief of Police, advised on
September 29, 1959 that Mr. and Mrs. FRITZ C. NYLAND,
retired, have been residing in this community about
18 months, and are good law-abiding citizens.

AT ASHEVILLE, NORTH CAROLINA:

[redacted] Buncombe County Bureau of Identifi-
cation and [redacted] Buncombe County Sheriff's
records advised on September 29, 1959 they have no record
identifiable with Mrs. FRITZ C. NYLAND, aka MARY ELLA
TOWNES.

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CE 77-4730

CREDIT:

Asheville Merchants Association, advised on September 29, 1959, that FRITZ C. NYLAND, and wife, MARY ELLA, Weaverville, North Carolina, have been on file since July 22, 1958. They are retired and their credit rating is satisfactory.

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FEDERAL BUREAU OF INVESTIGATION

Reporting Office NEWARK	Office of Origin BUREAU	Date 10/2/59	Investigative Period 9/27/59 - 10/1/59
TITLE OF CASE CHARLES HARD TOWNES		Report made by WILLIAM P. HOLLOWAY	Typed By: rac
		CHARACTER OF CASE SPECIAL INQUIRY	

XXXXX

REFERENCES

Bureau airtel to Charlotte dated 9/18/59.
New York airtel to Newark dated 9/24/59.
Charlotte airtel to Bureau dated 9/28/59.

RUC

1 interview

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Approved <i>Wyer</i>	Special Agent In Charge	Do not write in spaces below	
Copies made: 2 - Bureau 1 - Newark (116-333)		77-81576-13	
		CC TO: ... <i>NASA</i> ... REQ. REC'D. <i>3/31/64</i> ... APR 9 1964 ANS. BY: <i>TDV</i> ... <i>LB</i>	

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Cover Page

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

Copy to:

Report of: **WILLIAM P. HOLLOWAY**
Date: **10/2/59**Office: **Newark, New Jersey**File Number: **Newark 116-333**Title: **CHARLES HARD TOWNES**Character: **SPECIAL INQUIRY**

Synopsis:

TOWNES highly recommended as to character, loyalty, associates and reputation by former fellow employee. No credit or arrest record located for applicant or [REDACTED] with the exception of satisfactory credit rating for [REDACTED]

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DETAILS:Associates

On September 29, 1959, JOSEPH A. BURTON, Director of Semi-Conductor Research, Bell Telephone Laboratories, Murray Hill, New Jersey, advised that during the period 1941 - 1946, he was employed by Bell Telephone on the same project with CHARLES HARD TOWNES and that he worked very closely with TOWNES during that period. BURTON commented that they also lived in the same house in Chatham, New Jersey, during this period of time with TOWNES occupying an apartment on the second floor and BURTON occupying the apartment on the first floor. BURTON continued that he considers TOWNES as one of his best friends.

BURTON stated further that TOWNES is a person of exceptionally high moral character and integrity, undoubtedly a loyal American, and one who has always enjoyed an excellent reputation. He stated that TOWNES is also outstanding in accomplishments in his professional field, and he feels that

NK 116-333

the Federal Government would be exceptionally fortunate in securing his services. He wholeheartedly recommends TOWNES for any position of trust and confidence.

On September 28 and 29, 1959, fellow employees and neighbors of ALLEN N. HOLDEN, Pleasantville Road, New Vernon, New Jersey, advised that the HOLDEN family was out of town on vacation and that their whereabouts were unknown. Mr. HOLDEN was a fellow employee of TOWNES at Bell Telephone Laboratories during TOWNES' employment with this company.

Credit and Arrest

On September 27, 1959, Chief RAYMOND BRINK, Chatham, New Jersey Police Department, advised that he has no record relating to CHARLES H. TOWNES of Washington Avenue, Chatham.

On September 30, 1959, [redacted] Manager, Credit Bureau of Morristown, Morristown, New Jersey, which covers Chatham, New Jersey, advised IC [redacted] that his files contained no record relating to CHARLES H. TOWNES.

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On September 30, 1959, Patrolman [redacted] Madison, New Jersey Police Department, advised IC [redacted] that his files contained no arrest record for [redacted].

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On September 30, 1959, [redacted] mentioned above, advised IC [redacted] that ARTHUR L. and [redacted] had been known to his files since January, 1952, and they maintained a satisfactory credit rating. [redacted] indicated that there was no evidence of any litigations against these individuals.

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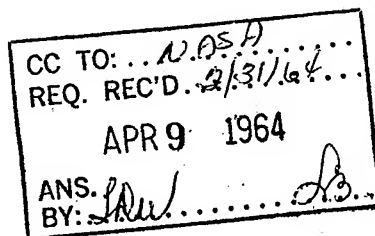
FEDERAL BUREAU OF INVESTIGATION

Reporting Office NEW HAVEN	Office of Origin BUREAU	Date 10/2/59	Investigative Period 9/28/59
TITLE OF CASE CHARLES HARD TOWNES		Report made by SA 	Typed By: ja b6 b7C
		CHARACTER OF CASE SPECIAL INQUIRY	

~~EXPERIMENT~~

REFERENCE

Bureau airtel to Charlotte dated 9/18/59.



Approved <i>Egm</i>	Special Agent In Charge	Do not write in spaces below	
Copies made: 2 - Bureau 1 - New Haven (77-3869)		77-81576-14	
		NOT RECORDED 5 OCT 5 1959 <i>[Signature]</i>	

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

Copy to:

Report of:
Date:SA [REDACTED]
October 2, 1959

Office: NEW HAVEN

b6
b7CFile Number: NH 77-3869
Title: CHARLES HARD TOWNES

Character: SPECIAL INQUIRY

Synopsis: Professor F. WOODBRIDGE CONSTANT, Trinity College, Hartford, Conn. taught Dr. TOWNES during study for master's degree at Duke University. Considered him to be brilliant student of outstanding good character. Has seen him frequently during intervening years and considers him to be good friend. Regards him highly as to character, reputation, associates and loyalty, and knows nothing of an unfavorable nature concerning him.

- RUC -

Details: AT HARTFORD, CONNECTICUT

Professor F. WOODBRIDGE CONSTANT, Physics Department, Trinity College, advised on September 28, 1959 that he first knew Dr. CHARLES HARD TOWNES when TOWNES came under his supervision as a graduate student in physics at Duke University, Durham, North Carolina in the middle or late 1930's. He stated that TOWNES was a brilliant student seeking his Master of Science degree. He related that TOWNES came from a family of moderate means, all the members of which were fine persons of good character and the children being successful in the various walks of life chosen by them.

Professor CONSTANT stated that Dr. TOWNES was possessed of exceptionally good character, being highly industrious, completely honest in every sense of the word, and having excellent personal habits. He stated that Dr. TOWNES' financial means were limited at the time of his attendance at Duke University, and that it was necessary for him to support himself entirely while pursuing his studies for the master's degree. The manner in which he accomplished his goal was a tribute to his character, according to Professor CONSTANT.

Dr. TOWNES' associates during the period of his attendance at Duke University were all persons of his own type and were completely respectable people. Professor CONSTANT stated that his association with Dr. TOWNES in recent years has resulted from meeting him at various gatherings of professional scientific societies, and that the people with whom he has been observed in association at these gatherings have all been persons of exemplary character.

Professor CONSTANT concluded by stating that in all his years of acquaintance with Dr. TOWNES, he has never observed anything about the man which would lead to the least suspicion of disloyalty to the United States, and that on the contrary, all his remarks, conduct and associations have been indicative of complete loyalty to his country. Professor CONSTANT stated that he knows absolutely nothing of an unfavorable nature concerning Dr. CHARLES HARD TOWNES and considers him to be a close personal friend.

FEDERAL BUREAU OF INVESTIGATION

Reporting Office WASHINGTON FIELD	Office of Origin BUREAU	Date 10/5/59	Investigative Period 9/24-10/1/59
TITLE OF CASE CHARLES HARD TOWNES		Report made by <div></div>	Typed By: MJB b6 b7C
		CHARACTER OF CASE SPECIAL INQUIRY	

XXXX
Synopsis

REFERENCE

Buairtel dated 9/18/59.
CE airtel dated 9/28/59.

-P-

LEADS

Continued
WASHINGTON FIELD OFFICE

AT WASHINGTON, D.C.

Will report results of leads to check
files of on appointee and spouse and OSI
on appointee.

b7E

Approved <i>JH/JP</i>	Special Agent In Charge	Do not write in spaces below	
Copies made: ②-Bureau 1-Washington Field (77-66155)		77-81576-15	
<div>CC TO: N.A.S.P. REQ. REC'D. 3-31-64 APR 9 1964 ANS. BY: <i>LB</i></div>		<div>NOT RECORDED 10 OCT 1959</div>	

-A*-

COVER PAGE

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

Copy to:

Report of:

[REDACTED]

Office: Washington, D.C.

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b7C

Date:

10/5/59

Field Office File No.: 77-66155

Bureau File No.:

Title:

CHARLES HARD TOWNES

Character:

SPECIAL INQUIRY

Synopsis:

No record on appointee as consultant NBS, NAS, or ONR. Part-time employment as Director of Research, Institute for the Defense Analyses, since September 1, 1959, verified and favorable. Credit and criminal negative. No additional pertinent information files of CSC. HCUA negative. Appointee received passport in May, 1950, and September, 1958. Secret Service files negative. No additional information files of ONI.

-P-

DETAILS: AT WASHINGTON, D.C.EMPLOYMENTThe National Bureau of Standards

On September 25, 1959, [REDACTED] Mail and File Clerk, Personnel Division, The National Bureau of Standards (NBS), advised SA JOHN A. RUHL that although the appointee may have done some work for NBS, his record would be located in Boulder, Colorado. He stated his record contained no information concerning the appointee.

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[REDACTED] further advised he was unable to suggest anyone presently at NBS who would be acquainted with the appointee.

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WFO 77-66155

Institute for Defense Analyses
1707 H. Street, N.W.

On September 24, 1959, [] member of the technical staff, advised that his records reflect the appointee has been working part time as Vice President and Director of Research for the above institute, since September 1, 1959. He further stated that as soon as he is released from Columbia University, where he is currently on the teaching staff, he will assume the above position on a full time basis.

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[] further advised he has only known the appointee for one month, and that he does not know him well enough to make any additional comments. He also advised that the records indicate the appointee has a current interim "Top Secret" clearance from the Office of the Secretary of the Air Staff. He stated no additional pertinent information appears in the appointee's file.

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Mr. GARRISON NORTON, President, above institute, advised he had only knew the appointee by reputation prior to September 1, 1959, when TOWNES was appointed Vice President and Director of Research for the institute. He also stated that the appointee has spent very little time in Washington, D.C., since September 1, 1959. However, as soon as he receives his release from Columbia University, he will begin his duties on a full time basis.

Mr. NORTON further advised that although he has only known the appointee a very short period of time, he has no reason whatsoever to question his character, reputation, associates or loyalty. He recommended him for a position of trust and confidence.

National Academy of Sciences
2101 Constitution Avenue, N.W.

On October 1, 1959, [] Head, Personnel Office, advised SA JOHN F. SULLIVAN that the appointee is a member of the National Academy of Sciences (NAS), however, she has no record of his having been a Consultant in 1950-52. She stated such records are not ordinarily retained.

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WFO 77-66155

On October 1, 1959, [REDACTED] Secretary, Home Secretary's Office, NAS, advised SA SULLIVAN that her records show that the appointee received the Tenth Comstock Prize, in 1959, from the NAS, for important discovery or investigation in the field of electricity. She stated no additional pertinent information appeared in her records.

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On October 1, 1959, [REDACTED] Security Office, NAS, advised SA SULLIVAN she had no record concerning the appointee.

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Office of Naval Research

On October 1, 1959, [REDACTED] Personnel Records, Office of Naval Research (ONR), advised SA SULLIVAN that she had no record concerning the appointee.

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On October 1, 1959, Dr. ARNOLD SHOSTAK, Electronics Branch, ONR, advised SA SULLIVAN that he has known the appointee professionally for thirteen years. He stated that during this period he has never observed anything which would reflect adversely on the appointee's character, associates, reputation, or loyalty. He recommended him very highly for a position of trust and confidence.

Dr. SHOSTAK further stated that the ONR had a research contract with Columbia University, which research had been supervised by the appointee.

CREDIT AND POLICE AGENCY CHECKS

The files of the Credit Bureau, Incorporated, Washington, D.C., as checked on September 24, 1959, by IC [REDACTED], contained no credit record on the appointee.

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The files of the Metropolitan Police Department, as checked on September 27, 1959, by SE [REDACTED], contained no arrest record for the appointee; at all times an indefinite number of unidentified records are out of file and not available for review.

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WFO 77-66155

The files of the United States Park Police, as checked on September 24, 1959, by IC [REDACTED] contained no arrest record for the appointee.

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MISCELLANEOUS

The files of the Investigations Division, Civil Service Commission, as caused to be checked on September 24, 1959, by IC [REDACTED] contained no additional pertinent information concerning the appointee.

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The files of the House Committee on Un-American Activities, as searched on September 24, 1959, by IC [REDACTED] contained no record on the appointee.

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On October 1, 1959, SE [REDACTED] reviewed the appointee's file at the Passport Office, Department of State. This file reflects the appointee's birth date as July 28, 1915, at Greenville, South Carolina.

On May 23, 1950, he was issued Passport Number 280179, for a two month pleasure trip to Norway, Sweden, Denmark, Germany, Switzerland, France, England, Holland, and Belgium. He listed his permanent residence as 90 Morningside Drive, New York City, New York. This passport also includes his wife, FRANCES HILDRETH TOWNES, nee Brown, who was born February 13, 1916, at Berling, New Hampshire. The file indicated that the appointee was married on May 4, 1941.

On April 1, 1952, the above passport was renewed for a three week business and pleasure trip to England, France, and Italy.

On August 24, 1953, this passport was validated for travel to Japan on official business for the Department of Navy.

On September 12, 1958, he was issued Passport Number 1203166, for a ten day trip to Belgium and Germany on business to attend a conference and give a talk. The file contained no additional pertinent information.

WFO 77-66155

On September 29, 1959, [redacted] Central Personnel Clearance Index, Personnel Security Standards Branch, Division of Security Headquarters, United States Atomic Energy Commission (AEC), Germantown, Maryland, advised SA JOSEPH E. KELLER that her records reflect the appointee currently has an active "Q" clearance, which was issued April 12, 1949, in connection with his duties with the Brookhaven National Laboratory, as a member of the Visiting Committee, Department of Physics. This clearance was issued through the New York Operations Office of the AEC.

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She also stated the appointee was originally granted "Q" clearance through the Oak Ridge Operations Office of AEC, Oak Ridge, Tennessee, on May 16, 1947. However, this clearance was terminated on June 17, 1953.

On August 4, 1950, he was issued a "Q" clearance by the New York Operations Office of AEC, however, this clearance was terminated on October 10, 1951. She stated no additional pertinent information appears in the above file.

On September 30, 1959, [redacted] Clerk, Personnel Section, United States Secret Service, United States Treasury Department, advised SA MAURICE F. DONEGAN that her files contained no record on the appointee.

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On September 29, 1959, Mr. ELMER MYERS, Chief, Personnel Security Clearance Section, Security Branch, Staff Services Division, Office, Secretary of the Air Staff, Headquarters United States Air Force, Pentagon, advised SA EDGAR L. CARTER that their files reflect the appointee was granted an interim "Top Secret" clearance by the Office of the Secretary of the Air Staff, on August 21, 1959.

Mr. MYERS stated his records contained no additional pertinent information concerning the appointee.

WFO 77-66155

The files of the Office of Naval Intelligence, Department of the Navy, as caused to be checked on October 1, 1959, by SE [] contained no additional information on the appointee.

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b7C

On September 24, 1959, [] Personnel Officer, The White House, advised SA PAUL E. ERTZINGER that her records contain no additional pertinent information concerning the appointee.

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FEDERAL BUREAU OF INVESTIGATION

Reporting Office PHILADELPHIA	Office of Origin BUREAU	Date 10/5/59	Investigative Period 10/2,5/59
TITLE OF CASE CHARLES HARD TOWNES		Report made by THOMAS W. SHERMAN	Typed By: MCHR
		CHARACTER OF CASE SPECIAL INQUIRY	

XXXXXX

REFERENCE

New York airtel to Philadelphia, 9/30/59.

- RUC -

CC TO: *N.A.S.P.*.....
REQ. REC'D *3/21/64*...
APR 9 1964
ANS.
BY: *T.O.W.*..... *L.B.*

- A* -

COVER PAGE

Approved <i>CER</i>	Special Agent In Charge	Do not write in spaces below	
Copies made: 2 - Bureau 1 - Philadelphia (77-10027)		77-81576-16	
		NOT RECORDED 3 OCT 6 1959	

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

Copy to:

Report of: THOMAS W. SHERMAN Office: Philadelphia, Pennsylvania
Date: October 5, 1959
File Number: Philadelphia 77-10027
Title: CHARLES HARD TOWNES

Character: SPECIAL INQUIRY

Synopsis: President HARNWELL, University of Pennsylvania, has known appointee for about 20 years, and recommends for responsible position with the government.

- RUC -

DETAILS: At Philadelphia, Pa.

Associates

On October 5, 1959, Dr. Gaylord Harnwell, President, the University of Pennsylvania, advised he has known TOWNES since before World War II, sometime between 1935 and 1940. Dr. HARNWELL, whose field is physics, said TOWNES is a very active and accomplished person in that field. He has associated with him at meetings of the American Physics Society at Columbia University and on the board of the "Review of Scientific Instruments." Dr. HARNWELL mentioned TOWNES has visited him at the University while he has visited TOWNES at Columbia.

He considers the appointee to be an extremely reliable and thoughtful person of no bad habits. He knows TOWNES is well-balanced with no erratic tendencies. He has no doubts whatsoever regarding his loyalty and feels he can recommend him for a responsible position with the government with assurance.

- 1* -

10/5/59

AIRTEL

To: SAC, Detroit

From: Director, FBI

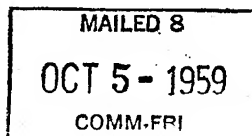
CHARLES HARD TOWNES, SPI

Reur delay letter dated 10/2/59 advising that deadline in this case of 10/5/59 could not be met and report would be submitted to reach Bureau 10/12/59, "or sooner."

It does not appear that lead you have warrants such a delay as it consists of investigation to verify brother's residence at Ann Arbor, Michigan, and credit and criminal checks concerning same.

Urrep must reach Bureau by 10/8/59.

DHY:mc
(4)



77-81576-17

NOT RECORDED

18 NOV 6 1959

W.C. Sullivan

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Belmont _____
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Parsons _____
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W.C. Sullivan _____
Tele. Room _____
Holloman _____
Gandy _____

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FEDERAL BUREAU OF INVESTIGATION

Reporting Office DETROIT	Office of Origin BUREAU	Date 10/6/59	Investigative Period 9/29-10/2/59
TITLE OF CASE CHARLES HARD TOWNES		Report made by SA ROBERT L. MAYFIELD	Typed By: DHD
		CHARACTER OF CASE SPECIAL INQUIRY	

~~SECRET~~

REFERENCES: New York airtel to Baltimore, September 25, 1959.
Charlotte airtel to Bureau, September 28, 1959.

- RUC -

CC TO: H.A.S.A.
REQ. REC'D. 21.31.64...
APR 9 1964
ANS.
BY: T.D.N. L.B.
Charles Hard Townes

Approved <i>[Signature]</i>	Special Agent In Charge	Do not write in spaces below	
Copies made: (3) - Bureau 1 - Detroit (77-5487)		77-81576-18	
		NOT RECORDED 14 OCT 8 1959 <i>[Signature]</i>	

- A*-

Cover Page

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

Copy to:

Report of: SA ROBERT L. MAYFIELD
Date: October 6, 1959

Office: Detroit, Michigan

Field Office File No.: Detroit 77-5487

Bureau File No.:

Title: CHARLES HARD TOWNES

Character: SPECIAL INQUIRY

Synopsis:

Dr. CHARLES HARD TOWNES was lecturer in Physics during summer, 1952, according to University of Mich. Regents Proceedings for period of 8/51 to 6/54. No further record of employment. Former Chairman of Dept. of Physics, University of Mich., Ann Arbor, Mich., states Dr. TOWNES hired for special lectures at University during summer 1952 while employed by Bell Telephone Co. TOWNES described as outstanding in scientific field and maintains excellent character and reputation. No question as to loyalty to US. Dr. TOWNES reported well qualified in field of science, particularly Physics. Police and credit records Ann Arbor, Mich., make no reference to CHARLES HARD TOWNES. Resident investigation unproductive. HENRY KEITH TOWNES, brother of applicant, has been on faculty of University of Mich. since 4/4/56; nothing unfavorable in University files. No credit or arrest record located for HENRY KEITH TOWNES or his family at Ann Arbor, Mich.

- RUC -

DETAILS: AT ANN ARBOR, MICHIGAN

EMPLOYMENT

On September 29, 1959, [REDACTED] Receptionist, Alumni Catalogue Office, University of Michigan, made available the University of Michigan Regents Proceedings for the period of August, 1951, to June, 1954, which revealed Dr. CHARLES HARD TOWNES was a special lecturer in the Department of Physics during the summer session of 1952 and received a stipend of \$1,000.00. No further information was available regarding Dr. TOWNES' employment. ✓

On September 30, 1959, [REDACTED] Faculty Personnel Files, 4501 Administration Building, University of Michigan, advised there is no personnel record for the employment of Dr. TOWNES. She stated the only record would be in the Regents Proceedings for that period.

On September 30, 1959, Dr. E. E. BARKER, Professor Emeritus of Physics, and former Chairman of the Department of Physics, University of Michigan, 18 Ridgeway Drive, advised he was responsible for Dr. CHARLES HARD TOWNES coming to the University of Michigan for a series of special lectures during the summer session of 1952. He stated Dr. TOWNES was employed by the Bell Telephone Company during this employment at the University.

Dr. BARKER stated Dr. TOWNES is a person of outstanding ability in the field of science, especially Physics, and has held responsible positions throughout his life. He stated Dr. TOWNES has always maintained an excellent character and reputation and there is no question regarding Dr. TOWNES' loyalty to the United States. He stated he knew of no questionable organizations or activities on the part of Dr. TOWNES which would jeopardize his being employed in a position of trust and confidence. Dr. BARKER stated he would recommend Dr. TOWNES for a position of trust and confidence with the government. He stated during the time Dr. TOWNES was in Ann Arbor in 1952, he resided at the Michigan Union.

On September 30, 1959, [REDACTED] Assistant Manager, Michigan Union, a men's club and hotel for faculty students and visitors of the University of Michigan on the campus, advised he had no records to support the residence of Dr. CHARLES HARD TOWNES at the Michigan Union during the summer of 1952. He stated he did not know Dr. TOWNES.

CREDIT AND ARREST RECORDS

On September 29, 1959, [] Identification Bureau, Police Department, advised the records of her office make no reference to CHARLES HARD TOWNES. b6 b7C

On September 29, 1959, [] Manager, Credit Bureau, 311 North Main Street, advised the records of his office made no reference to CHARLES HARD TOWNES. b6 b7C

RELATIVES

On October 2, 1959, [] Secretary, Faculty Personnel Records, 4501 Administration Building, University of Michigan, made available the file on HENRY KEITH TOWNES, brother of CHARLES HARD TOWNES, which revealed HENRY KEITH TOWNES, currently residing at 5950 Warren Road, RR 2, Ann Arbor, was born on January 20, 1913, at Greenville, South Carolina. He is a Research Associate in the Department of Zoology and has been employed by the University of Michigan since April 4, 1956. The file revealed HENRY KEITH TOWNES is married to MARJORIE CHAPMAN TOWNES, born March 28, 1909, at Pawcatuck, Connecticut. The marriage took place on October 9, 1937, and there are two children, DAVID KEITH TOWNES and JEAN WHILDEN TOWNES. No unfavorable information reflecting on the character, reputation or loyalty of HENRY KEITH TOWNES was revealed in the files of the Faculty Personnel of the University of Michigan. b6 b7C

CREDIT AND ARREST RECORDS

On October 2, 1959, [] Identification Bureau, Police Department, advised the records of her office made no reference to HENRY KEITH TOWNES, DAVID KEITH TOWNES, JEAN WHILDEN TOWNES or MARJORIE CHAPMAN TOWNES. b6 b7C

On October 2, 1959, [] Manager, Credit Bureau, 311 North Main Street, advised the records of his office made no reference to HENRY KEITH TOWNES or members of his family. b6 b7C

Photo Encl.
 CC TO: *Whitehouse*
 REQ. REC'D *4/19/62*
 APR 22 1982
 AM BY mm

CC TO: *State Dept*
 REQ. REC'D *1-22-62*
 FEB 4 1965
 ANS. *ids. / ah*
 BY: *ids. / ah*

Photo
 CC TO: *CSE*
 REQ. REC'D *4/1/8*
 MAY 9 1978
 ANS. *LKH / RBC / cl*
 BY: *LKH / RBC / cl*

October 14, 1959

BY COURIER SERVICE

Photo (white)
 CC TO: mm
 REQ. REC'D *9-18*
 SEP 24 1963
 ANS. *Jep - Joe*
 BY: *Jep - Joe*

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Major General Wilton B. Persons
 The Assistant to the President
 The White House
 Washington 25, D. C.

Dear General Persons:

By letter dated September 18, 1959, Mr. Henry Roemer McPhee requested an investigation of Charles Hard Townes. Transmitted herewith is a summary memorandum containing the results of this investigation.

An applicant-type investigation was conducted concerning Dr. Townes in 1947, and the enclosed summary memorandum contains the results of that investigation, as well as the results of current inquiries conducted concerning him.

The files of two governmental agencies were not available for review. When the files have been reviewed, you will be appropriately advised.

The investigations of Dr. Townes covered inquiries as to his character, loyalty, general standing and ability, but no inquiries were made concerning the sources of his income.

REC-61 77-81576-19
 Sincerely yours,

J. EDGAR HOOVER

ENCLOSURE
 *OSI
 Enclosure

NOTE: Request received 9-18-59 by letter of same date from White House. Investigations highly favorable. Dr. Townes is being considered for duties in connection with the President's Science Advisory Committee, which is not a Presidential appointment and, therefore, summary not being furnished to the Attorney General.

MAIL ROOM ☐ TELETYPE UNIT ☐

SEE REVERSE SIDE FOR
 ADD. DISSEMINATION.

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- Tolson _____
- Belmont _____
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- W.C. Sullivan _____
- Tele. Room _____
- Holloman _____
- Gandy _____

photo to USA for
77-81576-1016
2/10/60 HLB

XC to Mrs
Stegall, White
Hobbs 2/16/66
by Liaison
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photo to Comm
2/8/61 PAF

XC to NASA X to ACDA 2/27/70
on 10/18/72
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October 14, 1959
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4-25-69

CHARLES HARD TOWNES

SUMMARY

An applicant-type investigation was conducted concerning Dr. Townes during 1947, and this summary memorandum contains the results of that investigation, as well as the results of current inquiries conducted concerning him.

I. BIOGRAPHICAL DATA

Birth

Dr. Townes was born on July 28, 1915, at Greenville, South Carolina, the son of Henry Keith Townes and Ellen Hard Townes. His father is deceased and his mother resides at 17 East Millicrest Drive, Greenville, South Carolina.

Education

From September, 1931, to August, 1935, Dr. Townes attended Furman University, Greenville, South Carolina. He received an A.B. degree in June, 1935, and a B.S. degree in August, 1935.

From September, 1935, to June, 1937, he attended Duke University, Durham, North Carolina, receiving an M.A. degree.

From September, 1936, to June, 1939, he attended the California Institute of Technology, Pasadena, California, receiving a Ph.D. degree, magna cum laude.

Employment

From September, 1936, to June, 1939, Dr. Townes was employed as an assistant professor of physics at the California Institute of Technology, Pasadena, California.

From September 1, 1939, to December 31, 1947, he was employed as a member of the technical staff of the Bell Telephone Laboratories, New York, New York.

- Tolson
- Belmont
- DeLoach
- McGuire
- Mohr
- Parsons
- Rosen
- Tamm
- Trotter
- W.C. Sullivan
- Tele. Room
- Holloman
- Gandy

DHY:1ww

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ENCLOSURE

77-81576-19

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Charles Hard Townes

From September 23, 1947, to August 1, 1959, Dr. Townes was employed as a professor of physics by Columbia University, New York, New York. He is presently on leave of absence from that university until June 30, 1961.

From September 1, 1949, to September 30, 1957, he was a consultant to the Brookhaven National Laboratory, Upton, Long Island, New York.

During the summer session of 1952, Dr. Townes was a special lecturer in the Department of Physics, University of Michigan, Ann Arbor, Michigan.

Since August 16, 1948, he has been a consultant to the Boulder Laboratories, National Bureau of Standards, Department of Commerce, Boulder, Colorado.

Since September 1, 1959, Dr. Townes has been vice president and director of research of the Institute for Defense Analysis, Washington, D. C.

Marital Status

Dr. Townes is married to the former Frances Brown and has four minor children. He resides at 720 West 31st Street, New York, New York.

II. RESULTS OF INVESTIGATIONS

Interviews

Dr. Samuel A. Goudsmit, chairman, Department of Physics, Brookhaven National Laboratory, Upton, Long Island, New York, advised, during the current investigation, that he has known Dr. Townes since 1948 and considers him to be a "top physicist." He said that Dr. Townes was a person of excellent character and reputation, and his associates were above reproach. He stated that Dr. Townes is a loyal American citizen and he highly recommended him for a position of trust and confidence.

Dr. Arnold Shostak, Office of Naval Research, Department of the Navy, Washington, D. C., advised, during the current investigation, that he has known Dr. Townes since 1946 and that he has never had any reason to question his

Charles Hard Townes

character, associates, reputation or loyalty. He stated that Dr. Townes is an excellent scientist, and he recommended him for a position of trust and confidence. Dr. Shostak stated that the Office of Naval Research had a research contract in the past with Columbia University, which research had been supervised by Dr. Townes in his capacity as a member of the faculty of Columbia University.

W. D. George, Acting Chief, Radio Standards Division, Boulder Laboratories, National Bureau of Standards, Department of Commerce, Boulder, Colorado, advised that he has known Dr. Townes for the past eight years, and that Dr. Townes is a very able scientist who is one of the outstanding men in his field. Mr. George stated that Dr. Townes is a person of excellent character, and that his associates are above reproach. He said that Dr. Townes' loyalty is above question and he highly recommended him for any position of trust and confidence.

Forty other persons, consisting of associates, acquaintances, co-workers, neighbors and references, were interviewed, and advised that Dr. Townes is an outstanding scientist whose character, loyalty and associates are above reproach. They highly recommended him for a position of trust and confidence.

Immediate Relatives

In addition to those relatives mentioned elsewhere in this summary memorandum, Dr. Townes has two brothers, Henry Keith Townes, Jr., of Ann Arbor, Michigan; and George F. Townes of Greenville, South Carolina. He has three sisters, Mary T. Nyland of Weaverville, North Carolina; Aurelia T. Schawlow of Madison, New Jersey; and Ellen T. Taylor of Greenville, South Carolina.

Credit and Arrest Checks

The appropriate credit reporting agencies and law enforcement agencies were checked and contained either no record or no pertinent information concerning Dr. Townes or his immediate relatives.

Charles Hard Townes

Agency Checks

The records of the following governmental agencies were checked and contained either no record or no additional pertinent information concerning Dr. Townes:

Security Office, National Academy of Sciences, Washington, D. C.; Investigations Division, Civil Service Commission; House Committee on Un-American Activities; Division of Security, Atomic Energy Commission; United States Secret Service; Office of Naval Intelligence; G-2, Central Records Facility, Army Intelligence Center, Fort Holabird, Baltimore, Maryland; and the central files of the Federal Bureau of Investigation.

The records of the Passport Office, Department of State, Washington, D. C., indicate that Dr. Townes has been issued two passports since May 23, 1950, for travel to Europe and Japan on business and pleasure. Those records contained no derogatory information concerning Dr. Townes.

Clearances

Dr. Townes was granted a "~~top secret~~" clearance by the Department of the Air Force on August 21, 1959, which is presently active. He was also granted a "Q" clearance by the Atomic Energy Commission on April 12, 1949, which is presently active.

Miscellaneous

Dr. Townes was awarded the Comstock Prize in 1939 by the National Academy of Sciences, for important discoveries in the field of electricity.

Dr. Townes is presently a member of the National Academy of Sciences, Washington, D. C.

4-22b (11-23-55)

SHORT
6118-18

②

SEARCH SLIP

Subj: Charles H. Townes

R# (76) Date 11/30 Searcher Number (853)

8m FILE NUMBER 3 1959 SERIAL

UTD-77-81576-19 Summary 10/14/59

CHARLES HARD TOWNES

I 77-81576 Special Inquiry

I 77-81576-19 Summary 10/14/59

I 116-4864 Refer state

Mrs Charles H. Townes

NE 105-17398-4024-0

Mrs C. H. Townes

NI 100-359432 57.5.5

NI 105-17398-4026

DEC 7 1959

2-410

MAILED

DEC 16 1959

NAME CHECK

December 15, 1959

CHARLES H. TOWNES *Summary*
Born: July 15, 1915
Greenville, South Carolina

In response to your name check request, you are referred to the reports of an applicant-type investigation concerning the captioned individual which were previously furnished to your Agency in January, 1955. (116-4864)

An additional applicant-type investigation concerning the captioned person was conducted by this Bureau in 1959 and the results furnished to the White House on October 14, 1959. The investigation developed no derogatory information concerning Mr. Townes and at the request of the White House, you are referred to the Office of Major General Wilton B. Parsons, the Assistant to the President, should you desire the detailed results of the investigation. (77-81576)

Orig and one to State (CU:IES)

Reg. rec'd November 27, 1959

[Redacted] Admin
(4) *adm*

Charles H. Townes *AS B*

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EX 100

REC-48

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11-81576-23

4 DEC 16 1959

Tolson _____
Belmont _____
DeLoach _____
McGuire _____
Mohr _____
Parsons _____
Rosen _____
Tamm _____
Trotter _____
W.C. Sullivan _____
Tele. Room _____
Holloman _____
Gandy _____

This document contains neither recommendations nor conclusions of the FBI. It is the property of the FBI and is loaned to your agency; it and its contents are not to be distributed outside your agency. This is in answer to your request for a check of FBI files.

62 DEC 21 1959

MAIL ROOM ☐ TELETYPE UNIT ☐



U.S. Department of Justice

Federal Bureau of Investigation

SSP

CLASS

SRC'D

SER

REC

Washington, D.C. 20535

June 20, 1989

[Redacted]
OPM-OFI
P.O. Box 886
Washington, D.C. 20044

Dear [Redacted]

Reference is made to your letter dated May 2, 1989, concerning Charles Hard Townes, DOB: July 28, 1915, your reference OPM 88429461.

CHARLES H. TOWNES

Attached are the five memoranda as furnished from your office with the appropriate markings for information to be deleted as pursuant to paragraph two of your referenced letter.

You are advised the information concerning the [Redacted] cannot be used, released or disclosed by OPM in compliance with the court's judgment.

If I can be of any further assistance, please do not hesitate to let me know.

Sincerely yours,

[Redacted]
Unit Chief
Name Check and Service Unit
Records Management Division

ENCLOSURE

Enclosures (5)

1 - [Redacted] Attn: [Redacted]
1 - [Redacted] Room 7338, TL 245
1 - [Redacted]

161-4379

77-81576

SLC:bre (6)

SEE NOTE PAGE 2



[REDACTED]

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NOTE: This answer was coordinated with SA [REDACTED] Legal
Counsel. The Information being deleted concerns the [REDACTED]

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[REDACTED] regarding

[REDACTED]



UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

WASHINGTON, D.C. 20535

July 27, 1972

CHARLES HARD TOWNES

THE INVESTIGATION OF DR. TOWNES COVERED INQUIRIES AS TO HIS CHARACTER, LOYALTY, ABILITY, AND GENERAL STANDING, BUT NO INQUIRIES WERE MADE AS TO THE SOURCES OF HIS INCOME.

This summary memorandum covers the period since May, 1969. Dr. Townes was born on July 28, 1915, in Greenville, South Carolina.

Employment

Dr. Townes has continued to serve as a Professor of Physics at the University of California, Berkeley, California. He was also employed by the University of California as a research physicist until September, 1971.

He continued as a member of the President's Science Advisory Committee, Washington, D. C., until December, 1969, and since then has been employed by the Office of Science and Technology, Executive Office of the President, Washington, D. C., as a consultant.

Dr. Townes has been a member of the Board of Directors of the Perkin-Elmer Corporation, Norwalk, Connecticut, since 1966.

He has continued to serve as a consultant to the Institute for Defense Analyses, Arlington, Virginia, and the National Aeronautics and Space Administration, Washington, D. C. He has been employed by the United States Arms Control and Disarmament Agency, Washington, D. C., as a consultant since August, 1970.

Dr. Townes was employed as a consultant by the Defense Communications Agency, Washington, D. C., from March, 1968, to December, 1969.

ENCLOSURE

1576-25

Charles Hard Townes

Marital Status and Residence

Dr. Townes is married to the former Frances Hildreth Brown. They reside at 1988 San Antonio Avenue, Berkeley, California.

Interviews

Charles J. Hitch, President of the University of California, Berkeley, California, advised he has been acquainted with Dr. Townes since 1967 when Dr. Townes joined the faculty of the University of California. He described Dr. Townes as "one of the great men of our time," and said he is held in high regard throughout the world as a scientist. He stated he has no question whatsoever concerning Dr. Townes's character, loyalty, reputation, or associates, and advised he would not hesitate to recommend him for a position of trust and confidence with the Government.

[redacted]
[redacted] University of California, Berkeley, California, advised he has been acquainted with Dr. Townes on a professional basis since 1967. He said he has also had a limited amount of social contact with Dr. Townes and the other members of his immediate family. He stated Dr. Townes is world renowned as a scientist, and said he considers him to be a loyal American of excellent character and reputation. Professor [redacted] advised that his associates are reputable individuals. He stated he would recommend Dr. Townes for a position of trust and confidence with the Government.

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Arthur H. Rosenfeld, Professor of Physics and Group Leader, Lawrence Berkeley Laboratory, University of California, Berkeley, California, stated he has been acquainted with Dr. Townes since 1964. He described Dr. Townes as "a great patriot and great scientist," and noted he received the Nobel Prize in physics in 1964. Dr. Rosenfeld furnished favorable comments concerning Dr. Townes's character, loyalty, reputation, and associates, and advised he would recommend him for a position of trust and responsibility.

Marvin L. Goldberger, Chairman of the Department of Physics, Princeton University, Princeton, New Jersey, was interviewed at the Lawrence Berkeley Laboratory of the University of California, Berkeley, California, where he is presently performing research work. He said he has been acquainted with

Charles Hard Townes

Dr. Townes for twenty years and has worked with him on many occasions. Dr. Goldberger stated he has served on numerous committees with Dr. Townes, and they have been closely associated over the years. He described Dr. Townes as an outstanding scientist who has been responsible for many fine contributions in his field of science. Dr. Goldberger advised he considers Dr. Townes to be a man of excellent character and reputation, and said his loyalty and associates are above reproach. He stated he would not hesitate to recommend Dr. Townes for any position of trust and confidence with the Government.

[redacted] President's Science Advisory Committee, and [redacted] [redacted] Office of Science and Technology, Executive Office of the President, Washington, D. C., advised he has been acquainted with Dr. Townes on a professional basis for several years. He said he had numerous contacts with Dr. Townes during the period from 1966 to 1969 when Dr. Townes served as a member of the President's Science Advisory Committee. [redacted] described Dr. Townes as an intelligent, dedicated, and hard-working individual, and stated he has no question concerning his character, loyalty, reputation, or associates. He recommended Dr. Townes for a position of trust and confidence.

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Twenty-three additional persons, including professional associates, social acquaintances, and neighbors, were interviewed during the investigation of Dr. Townes. They furnished favorable comments concerning his character, loyalty, reputation, integrity, and associates, and recommended him for a position of trust and responsibility with the Government. Dr. Townes was described as a brilliant physicist and an excellent researcher. It was stated that he is widely known and highly respected as a scientist and that he is very capable, trustworthy, and responsible. Persons acquainted with his close relatives advised they are considered to be reputable individuals.

Close Relatives

Dr. Townes's father, Henry K. Townes, is deceased. He has the following living close relatives in addition to his wife, mentioned previously:

Mother

Ellen Hard Townes
Greenville, South Carolina

Charles Hard Townes

Sister

Mary Townes Nyland
Weaverville, North Carolina

Sister

Ellen Townes Taylor
Greenville, South Carolina

Brother

Henry Keith Townes
Ann Arbor, Michigan

Brother

George Franklin Townes
Cleveland, South Carolina

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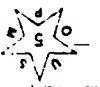
Credit and Arrest Checks

Information has been received from the appropriate credit reporting agencies indicating their files contain either no record or no additional pertinent information concerning Dr. Townes.

The files of appropriate law enforcement agencies were found to contain either no record or no additional information concerning Dr. Townes or his close relatives.

Clearances

Dr. Townes continues to have an active top secret security clearance which was issued by the Defense Industrial

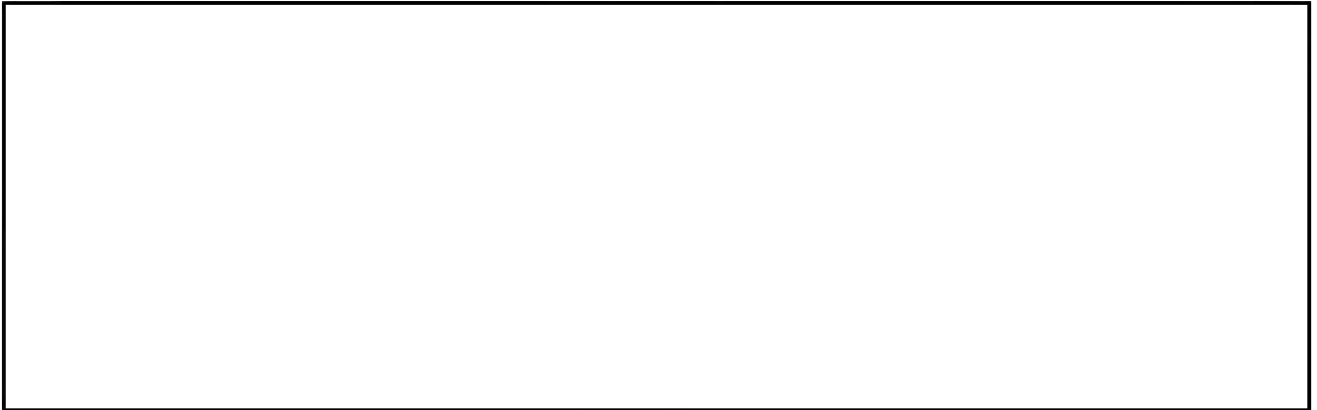


Charles Hard Townes

Security Clearance Office, Columbus, Ohio, and an active secret security clearance which was issued by the National Aeronautics and Space Administration. A "Q" security clearance which was issued to Dr. Townes by the Atomic Energy Commission on November 12, 1959, continues to be active.

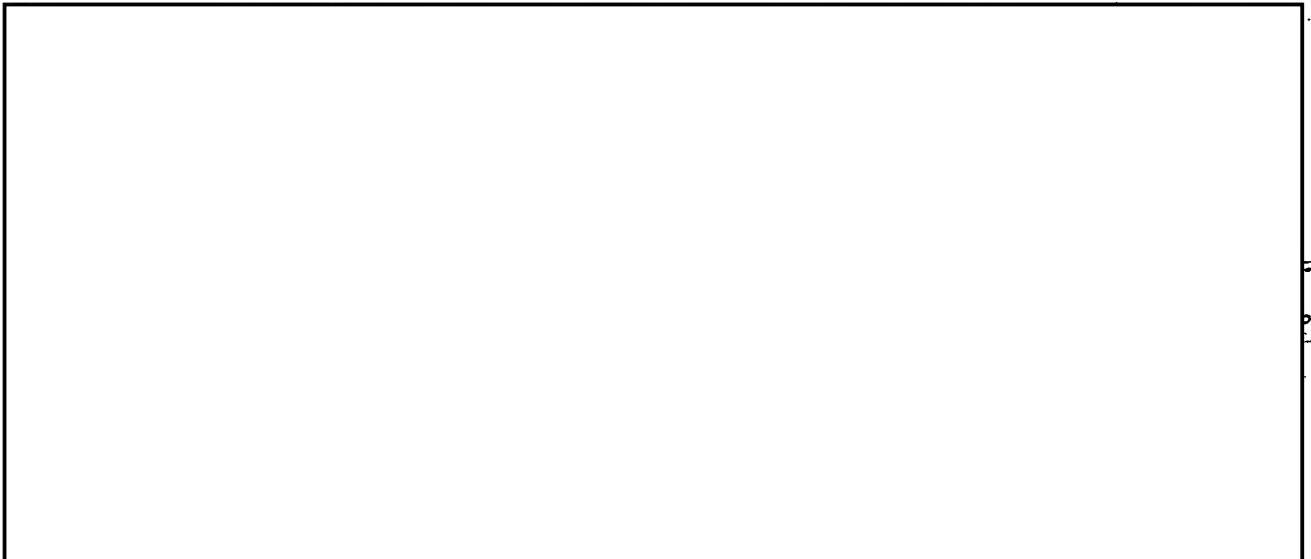
He was issued a top secret security clearance by the United States Arms Control and Disarmament Agency in August, 1970, and this clearance is presently active.

Miscellaneous



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The Socialist Workers Party has been designated pursuant to Executive Order 10450 (Federal Employee Security Program).



Charles Hard Townes

Agency Checks

Information has been received from the following governmental agencies indicating their files contain either no record or no additional pertinent information concerning Dr. Townes:

House Committee on Internal Security;
Defense Industrial Security Clearance
Office, Columbus, Ohio; Defense Central
Index of Investigations and United States
Army Investigative Records Repository,
Fort Holabird, Maryland; Naval Investi-
gative Service, Naval Intelligence
Command; United States Arms Control and
Disarmament Agency; Passport Office,
Department of State; Atomic Energy
Commission; National Aeronautics and
Space Administration; United States Secret
Service; and the Office of Science and
Technology, Executive Office of the
President.

The central files of the FBI, including the files
of the Identification Division, contain no additional pertinent
information concerning Dr. Townes.